

2 October 2024

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## Agreement

**Concerning the Adoption of Harmonized Technical United Nations  
Regulations for Wheeled Vehicles, Equipment and Parts which can be  
Fitted and/or be Used on Wheeled Vehicles and the Conditions for  
Reciprocal Recognition of Approvals Granted on the Basis of these  
United Nations Regulations\***

(Revision 3, including the amendments which entered into force on 14 September 2017)

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## Addendum 148 – UN Regulation No. 149

### Revision 1 - Amendment 2

Supplement 2 to the 01 series of amendments – Date of entry into force: 15 June 2024

### **Uniform provisions concerning the approval of road illumination devices (lamps) and systems for power-driven vehicles**

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2023/97.

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**UNITED NATIONS**

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\* Former titles of the Agreement:  
Agreement concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958 (original version);  
Agreement concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions, done at Geneva on 5 October 1995 (Revision 2).



*Add new paragraphs 5.3.2.10., 5.3.2.10.1. and 5.3.2.10.2. to read:*

- “5.3.2.10. The Driver Assistance Projection according to UN Regulation No. 48, paragraph 5.35., may be produced by modifying the passing-beam light distribution within a zone limited by the following angles:

vertically: - 1.2° and below

horizontally: ± 25°

In this zone, the intensity of the projection shall not exceed  $2.15 \cdot 10^5$  cd and shall not be less than the minimum intensities prescribed in Table 7.

- 5.3.2.10.1. The colour of the light emitted for Driver Assistance Projection shall be white.

- 5.3.2.10.2. In case a Driver Assistance Projection is approved as part of the passing-beam light distribution an indication shall be made in the communication form in Annex 1.”

*Paragraph 5.3.3.8., amend to read:*

- “5.3.3.8. The Driver Assistance Projection according to UN Regulation No. 48, paragraph 5.35., may be part of the driving-beam light distribution within a zone limited by the following angles:

vertically: - 1.2° and below

horizontally: ± 25°

The Driver Assistance Projection may be produced by modifying the beam pattern in the zone defined above, where the luminous intensity in any point of the entire driving beam shall not exceed the maximum value ( $I_{max}$ ) according to paragraph 5.1.4.2. and not be less than the minimum intensities prescribed in Table 13 Part B.”

*Add a new paragraph 5.3.3.8.2. to read:*

- “5.3.3.8.2. In case a Driver Assistance Projection is approved as part of the driving-beam light distribution an indication shall be made in the communication form in Annex 1.”

*Annex 1,*

*Add new items 9.2.10.7. and 9.2.10.8. to read:*

- “9.2.10.7. The Adaptive driving-beam may produce Driver Assistance Projection according to UN Regulation No. 48: yes/no<sup>2</sup>

- 9.2.10.8. The passing-beam may produce Driver Assistance Projection according to UN Regulation No. 48: yes/no<sup>2”</sup>
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